

Title (en)

CAD (COMPUTER-AIDED DECISION) SUPPORT FOR MEDICAL IMAGING USING MACHINE LEARNING TO ADAPT CAD PROCESS WITH KNOWLEDGE COLLECTED DURING ROUTINE USE OF CAD SYSTEM

Title (de)

UNTERSTÜTZUNG FÜR CAD (COMPUTER-AIDED DECISION) FÜR DIE MEDIZINISCHE ABBILDUNG DURCH VERWENDUNG VON MASCHINENLERNEN ZUR ANPASSUNG EINES CAD-PROZESSES MIT WÄHREND DER ROUTINEBENUTZUNG DES CAD-SYSTEMS GESAMMELTEM WISSEN

Title (fr)

SUPPORT DE DECISION ASSISTEE PAR ORDINATEUR POUR IMAGERIE MEDICALE FAISANT APPEL A L'APPRENTISSAGE MACHINE POUR ADAPTER LE PROCESSUS DE DECISION ASSISTEE PAR ORDINATEUR AUX CONNAISSANCES COLLECTEES LORS DE L'UTILISATION COURANTE DU SYSTEME DE DECISION ASSISTEE PAR ORDINATEUR

Publication

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Application

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Abstract (en)

[origin: WO2005001742A2] CAD (computer-aided decision) support systems, methods and tools for medical imaging are provided, which use machine learning classification for automated detection and marking of regions of interest in medical images. Machine learning methods are used for adapting/optimizing a CAD process by seamlessly incorporating physician knowledge into the CAD process using training data that is obtained during routine use of the CAD system.

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IPC 8 full level

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CPC (source: EP US)

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